$$
\begin{aligned}
0 &= \alpha\boldsymbol{u} + -(\alpha\boldsymbol{u}) && \langle\text{error}|\text{compound acronymref}\rangle\\
&= \beta\boldsymbol{u} + -(\alpha\boldsymbol{u}) && \text{Hypothesis}\\
&= \beta\boldsymbol{u} + (-1)(\alpha\boldsymbol{u}) && \langle\text{error}|\text{compound acronymref}\rangle\\
&= \beta\boldsymbol{u} + ((-1)\alpha)\boldsymbol{u} && \langle\text{error}|\text{compound acronymref}\rangle\\
&= \beta\boldsymbol{u} + (-\alpha)\boldsymbol{u} &&\\
&= (\beta-\alpha)\boldsymbol{u} && \langle\text{error}|\text{compound acronymref}\rangle
\end{aligned}
$$

By hypothesis, $\boldsymbol{u} \neq 0$, so ⟨acronymref|theorem|SMEZV⟩ implies

$$
\begin{aligned}
0 &= \beta - \alpha\\
\alpha &= \beta
\end{aligned}
$$

$$
\begin{aligned}
0 &= \alpha\boldsymbol{u} + -(\alpha\boldsymbol{u}) && \langle\text{error}|\text{compound acronymref}\rangle\\
&= \beta\boldsymbol{u} + -(\alpha\boldsymbol{u}) && \text{Hipótesis}\\
&= \beta\boldsymbol{u} + (-1)(\alpha\boldsymbol{u}) && \langle\text{error}|\text{compound acronymref}\rangle\\
&= \beta\boldsymbol{u} + ((-1)\alpha)\boldsymbol{u} && \langle\text{error}|\text{compound acronymref}\rangle\\
&= \beta\boldsymbol{u} + (-\alpha)\boldsymbol{u} &&\\
&= (\beta-\alpha)\boldsymbol{u} && \langle\text{error}|\text{compound acronymref}\rangle
\end{aligned}
$$

Por hiptesis, $\boldsymbol{u} \neq 0$, solo que ⟨acronymref|theorem|SMEZV⟩ implica

$$
\begin{aligned}
0 &= \beta - \alpha\\
\alpha &= \beta
\end{aligned}
$$